

بنام خدا

دانشگاه آزاد اسلامی واحد کرج



نمره

نمره تجدید نظر

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لطفا پاسخ خود را با قرار دادن علامت × در خانه مربوط مشخص فرمائید. در صورتی که خواستید پاسخی را تغییر دهید، میتوانيد خانه غلط را کاملاً پر کرده و سپس علامت × را در خانه جدید قرار دهید.

لطفاً در دفترچه سوالات چیزی ننویسید. فقط میتوانید از ماشین حساب چهار عمل اصلی استفاده کنید. برای محاسبات خود میتوانید یک برگ چک نویس از مراقبین محترم بگیرید. در ضمن مراقب نمره منفی باشید.

ANSWER SHEET

- | | | | |
|--------------------|--------------------|--------------------|--------------------|
| 01 (a) (b) (c) (d) | 21 (a) (b) (c) (d) | 41 (a) (b) (c) (d) | 61 (a) (b) (c) (d) |
| 02 (a) (b) (c) (d) | 22 (a) (b) (c) (d) | 42 (a) (b) (c) (d) | 62 (a) (b) (c) (d) |
| 03 (a) (b) (c) (d) | 23 (a) (b) (c) (d) | 43 (a) (b) (c) (d) | 63 (a) (b) (c) (d) |
| 04 (a) (b) (c) (d) | 24 (a) (b) (c) (d) | 44 (a) (b) (c) (d) | 64 (a) (b) (c) (d) |
| 05 (a) (b) (c) (d) | 25 (a) (b) (c) (d) | 45 (a) (b) (c) (d) | 65 (a) (b) (c) (d) |
| 06 (a) (b) (c) (d) | 26 (a) (b) (c) (d) | 46 (a) (b) (c) (d) | 66 (a) (b) (c) (d) |
| 07 (a) (b) (c) (d) | 27 (a) (b) (c) (d) | 47 (a) (b) (c) (d) | 67 (a) (b) (c) (d) |
| 08 (a) (b) (c) (d) | 28 (a) (b) (c) (d) | 48 (a) (b) (c) (d) | 68 (a) (b) (c) (d) |
| 09 (a) (b) (c) (d) | 29 (a) (b) (c) (d) | 49 (a) (b) (c) (d) | 69 (a) (b) (c) (d) |
| 10 (a) (b) (c) (d) | 30 (a) (b) (c) (d) | 50 (a) (b) (c) (d) | 70 (a) (b) (c) (d) |
| 11 (a) (b) (c) (d) | 31 (a) (b) (c) (d) | 51 (a) (b) (c) (d) | |
| 12 (a) (b) (c) (d) | 32 (a) (b) (c) (d) | 52 (a) (b) (c) (d) | |
| 13 (a) (b) (c) (d) | 33 (a) (b) (c) (d) | 53 (a) (b) (c) (d) | |
| 14 (a) (b) (c) (d) | 34 (a) (b) (c) (d) | 54 (a) (b) (c) (d) | |
| 15 (a) (b) (c) (d) | 35 (a) (b) (c) (d) | 55 (a) (b) (c) (d) | |
| 16 (a) (b) (c) (d) | 36 (a) (b) (c) (d) | 56 (a) (b) (c) (d) | |
| 17 (a) (b) (c) (d) | 37 (a) (b) (c) (d) | 57 (a) (b) (c) (d) | |
| 18 (a) (b) (c) (d) | 38 (a) (b) (c) (d) | 58 (a) (b) (c) (d) | |
| 19 (a) (b) (c) (d) | 39 (a) (b) (c) (d) | 59 (a) (b) (c) (d) | |
| 20 (a) (b) (c) (d) | 40 (a) (b) (c) (d) | 60 (a) (b) (c) (d) | |

$$SEM = SD\sqrt{1-r}$$

$$r = \frac{N}{N-1} \left(1 - \frac{\bar{X}(N-\bar{X})}{NSD^2} \right)$$

$$SD = i\sqrt{\frac{\sum fx^2}{N} - C^2}$$

$$Mdn = L + \left(\frac{\frac{N}{2} - F}{fm} \right) i$$



PART ONE

A teacher has administered a test to a group of students, and they have made the following scores on the test out of a total of 60.

99	72	56	48	19	05
94	70	56	48	19	03
93	64	56	47	16	03
90	64	56	40	15	01
85	64	55	34	13	
84	63	51	33	13	
84	63	51	31	11	
83	60	50	25	10	
80	59	50	22	09	
80	56	49	20	07	

The teacher classifies these scores into score classes and works out the descriptive statistics for his test. On the basis of his analysis, he can answer the following questions.

- 1) The assumed mean for this test is
 - A) 44.5
 - B) 45.5
 - C) 46.5
 - D) 47.5
- 2) The F is
 - A) 21
 - B) 22
 - C) 23
 - D) 24
- 3) The lower bound of the mode class is
 - A) 43.5
 - B) 44.5
 - C) 45.5
 - D) 46.5
- 4) Correction equals
 - A) -0.11
 - B) -0.12
 - C) -0.13
 - D) -0.14
- 5) CI equals
 - A) -0.88
 - B) -0.96
 - C) -1.04
 - D) -1.12
- 6) The mean of the test is
 - A) 43.62
 - B) 44.54
 - C) 45.46
 - D) 46.38
- 7) The median is
 - A) 49.64
 - B) 49.74
 - C) 38.64
 - D) 38.74
- 8) The reliability of the test is
 - A) 0.86
 - B) 0.96
 - C) 0.87
 - D) 0.97
- 9) The N for this test is
 - A) 54
 - B) 53
 - C) 52
 - D) 51
- 10) The SD is
 - A) 29
 - B) 28
 - C) 27
 - D) 26
- 11) The variance of the test is
 - A) 841
 - B) 784
 - C) 729
 - D) 678
- 12) $\sum fx$ of the test equals
 - A) -08
 - B) -06
 - C) +08
 - D) +06
- 13) $\sum fx^2$ of the test equals
 - A) 666
 - B) 667
 - C) 668
 - D) 669
- 14) The fm is
 - A) 08
 - B) 09
 - C) 10
 - D) 11



- 15) The range is
A) 96
B) 97
C) 98
D) 99
- 16) The interval is
A) 8
B) 7
C) 6
D) 5
- 17) The SEM is
A) 4.24
B) 4.84
C) 2.24
D) 2.84
- 18) At least ... of the testee have scored below the average.
A) 37.96%
B) 60.18%
C) 72.22%
D) 90.47%
- 19) At least ... of the testees have scored below the median.
A) 97%
B) 84%
C) 61%
D) 37%
- 20) The CF of the third score class is
A) 17
B) 14
C) 20
D) 08
- 21) The x for the third score class is
A) -7
B) -6
C) -4
D) -3
- 22) The mode class has a frequency of
A) 6
B) 7
C) 8
D) 9
- 23) With 68.26% certainty, we can claim that the band score of testee who has made a score of 40 on the test is
A) 35.76 – 44.24
B) 35.16 – 44.84
C) 37.76 – 42.24
D) 37.16 – 42.84
- 24) The CF of the median class is
A) 29
B) 28
C) 27
D) 26
- 25) The CF of the mean class is
A) 29
B) 28
C) 27
D) 26
- 26) The PR of the class immediately below the mean class is
A) 37.96
B) 45.91
C) 54.08
D) 57.14
- 27) The PR of the median class is
A) 63.24
B) 62.73
C) 46.29
D) 60.25
- 28) The range of the mean class is
A) 44 – 51
B) 45 - 52
C) 46 - 53
D) 47 - 54
- 29) The range of the median class is
A) 44 – 51
B) 45 - 52
C) 46 - 53
D) 47 - 54
- 30) The fx^2 of the 4th class is
A) 28
B) 48
C) 38
D) 58
- 31) The lower bound of the 3rd class is
A) 13.5
B) 12.5
C) 11.5
D) 10.5
- 32) The upper bound of the 6th class is
A) 27.5
B) 35.5
C) 43.5
D) 51.5
- 33) The curve for this test is
A) bimodal
B) trimodal
C) positively-skewed
D) negatively-skewed
- 34) Speed tests
A) Have a cut-off point
B) include difficult items
C) take a long time to attempt
D) are best for writing classes



- 35) Speed and power tests mostly differ in terms of
- A) administration time
 - B) test reliability
 - C) item difficulty
 - D) test format
- 36) Using Kuder-Richardson formula is best for ... reliability.
- A) rational equivalence
 - B) parallel forms
 - C) test-retest
 - D) split-half
- 37) Which one is NOT part of the sine qua non of language testing?
- A) appropriateness
 - B) dependability
 - C) applicability
 - D) speededness
- 38) Which one of these terms CANNOT replace reliability?
- A) appropriateness
 - B) dependability
 - C) consistency
 - D) stability
- 39) Individuals' skill readiness is tested through ... testing.
- A) proficiency
 - B) achievement
 - C) placement
 - D) aptitude
- 40) To measure testees' progress, ... tests should be used.
- A) achievement
 - B) prognostic
 - C) placement
 - D) aptitude
- 41) Quizzes are example of ... testing.
- A) aptitude
 - B) summative
 - C) placement
 - D) prognostic
- 42) Lack of pass-or-fail criterion is characteristic of ... tests.
- A) aptitude
 - B) placement
 - C) screening
 - D) achievement
- 43) Which of the following tests is NOT diagnostic?
- A) achievement
 - B) screening
 - C) placement
 - D) aptitude
- 44) The reliability of standard tests must be above
- A) 0.90
 - B) 0.85
 - C) 0.80
 - D) 0.75
- 45) The current notion of validity is referred to as ... validation.
- A) empirical
 - B) construct
 - C) criterion
 - D) concurrent
- 46) ... means that tests are answerable to testees' needs.
- A) Accountability
 - B) Dependability
 - C) Reliability
 - D) Validity
- 47) Gestalt psychology is at the heart of
- A) Oller's UCH
 - B) Bachman's CLA
 - C) construct validation
 - D) criterion proficiency
- 48) Tests' simulation of the target use situation is called test
- A) aggregation
 - B) speededness
 - C) authenticity
 - D) practicality
- 49) If a test appropriately samples from a domain, it has
- A) face validity
 - B) status validity
 - C) content validity
 - D) empirical validity
- 50) Non-linguistic considerations in test development include
- A) organization
 - B) orthography
 - C) components
 - D) skills

END OF PART ONE



PART TWO

In an attempt to calculate the reliability of his scoring, a teacher has twice assigned scores to a test of composition. His scores are reproduced here:

student's name	score 1	score 2
Javad	40	20
Jamal	30	12
Jafar	41	80
Jahed	14	24
Jahangir	33	16
Jahan	37	18
Jabar	45	40
Jasem	10	54

Using this information, attempt the following items.

51) R_1 for Jafar is

- A) 2
- B) 3
- C) 4
- D) 5

52) R_2 for Jasem is

- A) 2
- B) 4
- C) 6
- D) 8

53) The N of the test is

- A) 9
- B) 8
- C) 7
- D) 6

54) The reliability of the test is

- A) 0.21
- B) 0.55
- C) 0.73
- D) 0.97

55) D for Jafar is

- A) -1
- B) -2
- C) +1
- D) +2

56) $\sum D^2$ is

- A) 68
- B) 66
- C) 64
- D) 62

57) This calculation is an example of ... reliability.

- A) parallel forms
- B) intra-rater
- C) test-retest
- D) split-half

58) D^2 for Jabar is

- A) 6
- B) 2
- C) 4
- D) 1

59) D^2 for Jahangir is

- A) 8
- B) 6
- C) 4
- D) 2

60) R_2 for Jahan is

- A) 6
- B) 4
- C) 3
- D) 1

END OF PART TWO

PART THREE

After administering a 5-item test to a group of subjects, a teacher has come up with the following results.

	Item 1	Item 2	Item 3	Item 4	Item 5	CORRECT	WRONG	TOTAL
Hasan	1	1	0	1	1	4	1	4
Reza	1	1	0	1	1	4	1	4
Javad	1	1	1	0	1	4	1	4
Hossein	1	0	0	1	1	3	2	3
Taghi	1	0	1	0	1	3	2	3
Mehdi	0	1	0	1	0	2	3	2
Mohsen	1	1	0	0	0	2	3	2
Nemat	0	0	0	0	1	1	4	1
Khalil	0	0	1	0	0	1	4	1
Ali	0	1	0	0	0	1	4	1
wrong	4	4	7	6	4			
right	6	6	3	4	6			

Answer the following questions using the information presented in the table.

61) The item discrimination index (IDD) for item 1 is

- A) 1.00
- B) 0.98
- C) 0.92
- D) 0.00

62) The IDD for item 2 is

- A) 0.66
- B) 0.54
- C) 0.47
- D) 0.39

63) The IDD for item 3 is

- A) 0.00
- B) 1.00
- C) 0.64
- D) 0.56

64) The IDD for item 4 is

- A) 0.62
- B) 0.66
- C) 0.47
- D) 0.49

65) The item facility index (IF) for item 2 is

- A) 0.60
- B) 0.55
- C) 0.50
- D) 0.45

66) The item facility index (IF) for item 3 is

- A) 0.40
- B) 0.42
- C) 0.30
- D) 0.32

67) The item difficulty index (ID) for item 3 is

- A) 0.60
- B) 0.58
- C) 0.70
- D) 0.68

68) The item facility index (IF) for item 4 is

- A) 0.40
- B) 0.42
- C) 0.30
- D) 0.32

69) The item difficulty index (ID) for item 4 is

- A) 0.60
- B) 0.58
- C) 0.70
- D) 0.68

70) The item difficulty index (ID) for item 5 is

- A) 0.40
- B) 0.60
- C) 0.30
- D) 0.70

END OF PART THREE

GOOD LUCK!